

**California Regional Water Quality Control Board  
North Coast Region**

**MONITORING AND REPORTING PROGRAM R1-2005-0101**  
(Superceding Monitoring and Reporting Program No. 89-142  
previously revised September 13, 1996)

for

Ultramar 1-621  
18475 N. Highway One  
Fort Bragg, California

Mendocino County

**GROUNDWATER MONITORING**

1. At the time of sampling each monitoring wells (MW), and prior to purging the well for sampling, each MW shall be checked for the presence or absence of free product. If free product is present, the thickness shall be measured to at least 0.01-foot increments.
2. At the time of sampling each monitoring well, and prior to purging the well for sampling, the depth to groundwater shall be determined to at least 0.01-foot increments. The data generated from the elevation readings shall be referenced to mean sea level.

**GROUNDWATER SAMPLING**

1. Monitoring wells MW-1, MW-3, MW-6, MW-8, and MW-9 shall be sampled quarterly.
2. Monitoring wells MW-5, MW-10, MW-12, and MW-13 shall be sampled semi annually during the first and third quarters.
3. The on-site domestic well shall be sampled annually during the third quarter.

**LABORATORY ANALYSIS**

1. All testing shall be performed at a laboratory certified by the California Department of Health Services.
2. All groundwater samples collected from MWs and domestic wells shall be analyzed for:
  - Total Petroleum Hydrocarbons (TPH) as gasoline.
  - Benzene, toluene, ethylbenzene, xylenes (BTEX).

3. All groundwater samples collected from MWs and domestic wells shall be analyzed annually during the third quarter for oxygenates including MtBE by EPA Method 8260, with all peaks reported and a maximum detection limit of 0.5 parts per billion.

### **REPORTING**

1. A groundwater elevation contour map shall be submitted for each monitoring event and include:
  - Location of all applicable facilities and residences
  - Groundwater flow pattern including groundwater gradient contour lines
  - Location of the monitoring wells and domestic well
  - Location of the former underground tanks
2. Current and previous analytical results shall be reported in tables which include the following:
  - Identification of well sampled
  - Date of sample collection
  - Thickness of any floating product
  - Constituents and analytical results
  - Method detection limits
3. Each report shall contain copies of chain of custody documents showing the time and date of collection and person collecting, signed laboratory sheets including quality control data, and explanations of analytical anomalies or changes in the groundwater treatment system, if any. These supporting documents may be included as appendices to the report.
4. Domestic well samples shall be placed on a 5-day laboratory turn-around time. All positive results shall be faxed to this agency within 24-hours upon receipt of the results by the consultant.
5. Groundwater monitoring data and reports shall also be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 30, Article 2, Sections 3890-3895 of the California Code of Regulations.
6. Monitoring reports, including gradient and sampling data, shall be submitted to this office in accordance with the following schedule:

**Reporting Period**

1<sup>st</sup> Quarter (January, February, March)  
2<sup>nd</sup> Quarter (April, May, June)  
3<sup>rd</sup> Quarter (July, August, September)  
4<sup>th</sup> Quarter (October, November, December)

**Due Date**

April 15  
July 15  
October 15  
January 15

Ordered by   
for Catherine E. Kuhlman  
Executive Officer

October 18, 2005

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